SHARPCAM

ENTERPRISE · PTZ

SPC-PTX02-Z25-A3-G1

2 MP PTZ Camera

PTZ 2MP25X optical Zoom 5.0 ~ 125mm F1.5 ~ F3.8 WDR120DB 1 CVBS output 1 line-in Audio, 1 line-out Audio 1 alarm input, 1 alarm output IR Distance 150m IP66 water proof AC 24V / POE

2 MP · 5.0 - 125mm · 150 m · PoE



2 MP	1/2.8” SC500AI sensor	5.0–125 mm	150 m	H.265+/H.265/H.264+/H.264	PoE	ONVIF Profile S/G/T, RTSP	IP66
Resolution	Image Sensor	Lens	IR Range	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Human & vehicle classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- Stationary object [P]

OPERATIONAL INTELLIGENCE
Turn video into insight

- People / cross counting [P]
- Heat map [P]
- Crowd density [P]
- Queue length [P]
- Searchable AI metadata [P]

IDENTIFICATION
Find what matters faster

- Face detection [P]
- Face recognition [P]
- License plate recognition [P]

Analytics availability and simultaneous execution may vary by model, firmware and deployment architecture.

WHERE IT WORKS BEST

Long-range live assessment	Large open areas	Operator-assisted tracking	City Surveillance	Large Sites	Wide Area Monitoring

OPEN INTEGRATION

Camera and edge-intelligence layer. Recorder retention, Eye365 Smart Search, LPR365 workflows and MERGE365 integrations are selected as separate system roles.

ONVIF Profile S/G/T, RTSP

ENTERPRISE TECHNICAL PRODUCT DATA

SPC-PTX02-Z25-A3-G1

2 MP PTZ Camera

Former model reference: SS-RIP02x25U



1. CAMERA & IMAGING

Image sensor	1/2.8” SC500AI sensor
Effective pixels	2 MP
Minimum illumination	Color 0.002 Lux @ F1.6(AGC ON); B/W 0 lux @ IR ON
Day / Night	Full Color Mode / Day Night Mode / Schedule
Backlight compensation	N/A
Wide dynamic range	120 dB
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
IR range	150 m
AI / function profile	Profile not stated
PTZ resolution	PTZ

2. LENS

Lens type	Motorized
Focal length	5.0–125 mm
Aperture	F No. 1.6
Field of view	56.9(W)-2.9 (T)°, Vertical: 32.2(W)-1.6(T)°, Diagonal: 65.2(W)-3.3(T)°
Min. object distance	NA

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	1 Input – 1 Output
Audio I/O	1 Input – 1 Output
Hardware reset	YES
Event recording	NVR and SD Card
Interfaces	RJ45 (10/100BASE-T)), PoE

3. AI ANALYTICS

- Human & vehicle classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- Stationary object [P]
- People / cross counting [P]
- Heat map [P]
- Crowd density [P]
- Queue length [P]
- Searchable AI metadata [P]
- Face detection [P]
- Face recognition [P]
- License plate recognition [P]

Functions depend on the verified AI package and firmware of the selected camera.

5. VIDEO & NETWORK

Ethernet	PoE Ethernet
Compression	H.265+/H.265/H.264+/H.264
Main stream	@30fps: 2MP (1920x1080), 960P (1280x960), 720P (1280x720)
Sub stream	@30fps: VGA (640x480), QVGA (320x240)
Mobile stream	30fps: QVGA (320x240)
Bit rate	8Kbps ~ 8Mbps
Bitrate control	CBR/VBR
Streaming	Unicast / Multicast
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP,PPPoE
Interoperability	ONVIF Profile S/G/T, RTSP

6. ELECTRICAL & ENVIRONMENTAL

Input power	D12V/POE(IEEE802.3af)
Power - IR off	NA
Power - IR on	NA
Operating conditions	-30~+60°C/less than ≤ 90% RH
Ingress protection	IP66
Material	Metal
Dimensions	—
Weight	—
IK rating	Not state

ORDERING INFORMATION

SKU	SPC-PTX002	**Model**	SPC-PTX02-Z25-A3-G1

Description	2 MP PTZ Camera	Specifications are subject to change without notice.